

Title (en)

METHOD TO DENOISE PULSE ECHO MEASUREMENT USING TOOL RESPONSE IN FRONT OF COLLARS

Title (de)

VERFAHREN ZUR ENTRAUSCHUNG VON IMPULSECHOMESSUNG MITTELS WERKZEUGREAKTION VOR KRAGEN

Title (fr)

PROCÉDÉ POUR LE DÉBRUITAGE DE MESURE D'ÉCHO D'IMPULSION À L'AIDE DE RÉPONSE D'OUTIL DEVANT DES COLLIERES

Publication

EP 3182167 A1 20170621 (EN)

Application

EP 15290311 A 20151215

Priority

EP 15290311 A 20151215

Abstract (en)

A method includes performing pulse echo measurements using a pulse echo tool. The method also includes detecting a casing collar using the pulse echo measurements performed by the pulse echo tool. The method further includes estimating a tool response of the pulse echo tool response at the casing collar using one or more processors based on the pulse echo measurement at the casing collar. The method also includes and removing the pulse echo tool response estimation from at least some of the pulse echo measurements not at the casing collar.

IPC 8 full level

G01V 1/40 (2006.01); **E21B 47/00** (2012.01); **G01V 1/50** (2006.01)

CPC (source: EP US)

E21B 47/005 (2020.05 - EP US); **G01V 1/40** (2013.01 - EP US); **G01V 1/48** (2013.01 - US); **G01V 1/50** (2013.01 - EP US); **G01V 2210/32** (2013.01 - US)

Citation (applicant)

US 5216638 A 19930601 - WRIGHT PETER [US]

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 15290311 A 20151215; US 201615338865 A 20161031